

IN THE SPECIFICATION

Please **amend** the specification paragraph beginning at page 6, line 10 and ending at page 6, line 11 as follows:

The circuit of the invention ~~should~~may further comprise a clock, which is conventional.

Please **amend** the specification paragraph beginning at page 6, line 19 and ending at page 6, line 21 as follows:

Fig. 3A schematically illustrates a DNA SET transistor which has a few grains (at nucleotides 5-9 of SEQ ID NO:1) connected to the gate (SEQ ID NO:2) according to an embodiment of the invention;

IN THE SEQUENCE LISTING

Please **enter** the attached Sequence Listing.